

# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

21 SEPTEMBER 1978

## ALMA MATER FUND 78

### ALMA MATER FUND '78: SOMETHING EXTRA FOR THE UNIVERSITY

Each year an appeal is made to University Alumni asking for financial support in aid of a variety of needs not covered by government grants or other normal revenue at their alma mater. Few people on campus know, however, how the monies from the Fund are spent. Here are but two of more than eighty projects supported by the Alma Mater Fund:

An amount of \$27 was provided for taxi fare to help a speech therapist reach schools in the inner core of the city to assist young students with speech difficulties. Had it not been for the Alma Mater Fund, these students would not have received such assistance since the therapist was both a student and also a volunteer. Bus travel drastically cut into her time spent with the children and hence the \$27 was of valuable assistance to this community-based project.

Another project involves support for capital alterations to the HUB Day Care Centre. The Alma Mater Fund provided \$9,000 to remodel the Centre to provide more space for the children, more storage space, to replace worn-out tile and carpet, and to repaint the Centre. Letters sent from parents to the Alma Mater Fund's Allocations Committee indicate the sincere appreciation of the work done by the Fund and the importance of its continuing support.

For further information on ways in which to contribute to the Alma Mater Fund, please contact its office at 432-2325 or write to the Office of Community Relations, 423 Athabasca Hall, University of Alberta.



*The ladies pictured above (standing, left to right: Sis Eldridge, Phyllis Provost, Hope Hagerman; sitting, left to right: Eleanor Booth, Doris Thompson) comprise a group of personnel that may well be unique on this campus. They all began their employment in the same office at the University on 1 September 1968, and have remained together ever since maintaining the alumni records. Located in their office on the fourth floor of Athabasca Hall, they have become good friends over the years, enjoy their work, and are an invaluable repository of information concerning former students at this institution. They also hope that their second decade together will be as enjoyable and so full of change and vitality as their first.*

## POPULATION RESEARCH LABORATORY

One of the appendages of the University's Department of Sociology is the Population Research Laboratory (PRL). Organized in 1966, the PRL could be described as being an operation of the people, by the people, and for the people. Data from the 1961, 1966, 1971, and 1976 Censuses of Canada; population projections for Edmonton, St. Albert, and Red Deer; and a map collection which relates to census and land use are among the PRL's holdings. As well, an adjoining library contains approximately 5,000 volumes. All materials may be perused by both the University community and the public at large.

Under the directorship of L.W. Kennedy, the PRL associates itself with research projects sponsored by outside agencies. One such project is a study of media effects on crime. The project is funded by the Office of the Solicitor-General of Canada and the principal investigator is making full use of the PRL's research and data bank.

Laboratory personnel express a willingness to advise people who have been assigned data-collecting responsibilities.

For example, a training seminar entitled "Conducting a Census" was sponsored by the PRL on 5 May 1978. Census-taking guidelines were set out for the benefit of the twenty persons who attended. The full proceedings of the seminar were later published and made available to interested persons.

The PRL also publishes a discussion paper series, a population reprint series, a Western Canada series, an Alberta series, and a number of major reports. A journal, *Canadian Studies in Population*, is published annually by the PRL and the Canadian Population

Society. The journal is, according to Dr. Kennedy, "the only truly demographic journal published in Canada."

The project which the PRL may become most identified with is the Edmonton Area Study, a study which began early in 1977 with a survey on the quality of life in Edmonton. Three hundred and fifty households were selected at random and the survey led to reports on public opinion related to the swine flu immunization program and to similar mass immunization programs that may be considered in the future, on the effect of the physical environment on the citizens' social contact, and on attitudes toward crime, law enforcement and neighborhood safety.

In January of this year a survey on behavioral indices of styles of life of Edmonton residents was conducted.

Other surveys will be conducted annually with the overall objectives of the study being:

1. To collect basic research data about the City of Edmonton and to make these data available to agencies and organizations for the purpose of helping them formulate policy and direct their activities.

2. To accumulate archival material for researchers and interested persons to conduct survey research using the resources of students and the PRL that would not have been otherwise possible.

3. To provide the opportunity for researchers to do replication of work to further validate previous findings.

4. To establish an organization with the capability of obtaining data for the measurement of social change in the community.

5. To permit the opportunity for researchers to refine and test methodological research techniques for the purpose of adding to the knowledge of the survey research process itself.

6. To train graduate students in the methods of survey research by allowing them to participate fully in the planning and execution of a large scale survey.

Dr. Kennedy is pleased with the response of Edmontonians to the study. He says that for every ten prospective interviewees only two refuse to participate. This may be because the PRL's interview system has been fully approved by the City Police Department and the Better Business Bureau and because a letter of intent is sent to each interviewee in advance of the interview. At the conclusion of the survey, a letter of thanks is sent to each interviewee along with a two-page summary of the survey's findings.

Five people are employed full-time in the PRL and a pool of one hundred interviewers is maintained. Included in the pool are professional interviewers, teachers,

students, businessmen, and retirees.

The PRL is located on the main floor of the Henry Marshall Tory Building.

## NO EXTRA GOVERNMENT FUNDING FOR THE UNIVERSITY THIS YEAR

In response to a request from Premier Peter Lougheed and A.E. Hohol, Minister of Advanced Education and Manpower, that the University demonstrate that its needs were beyond the 8.24 percent increase in the government grant for 1978-79, the University submitted detailed documentation of its need to the Premier and Mr. Hohol on 25 May 1978.

On 2 August, A.E. Hohol replied, on the Premier's behalf, as follows:

"... After carefully reviewing the University's submissions with Senior Officials of my Department, I regret to inform you that the operating grant to the University of Alberta will remain at 8.24 percent for the year 1978-79. I know you will appreciate the effect of including your University in the Government's Natural Gas Rebate Plan.

"This decision is based on the continuation of the Government's Policy of fiscal restraint and our belief that universities will make their utmost effort to maintain quality service. I know that the University of Alberta will cooperate with the government, and by using maximum planning and control procedures, manage to live within the available operating dollars. . . .

"I should like to commend you and the Deans for making a case for additional support. The challenge you face in the years ahead is due to a combination of declining enrolments, aging faculty, increasing costs, and continuing government fiscal restraints. My colleagues and I are aware of your concerns and your efforts to deal with them. We hope you will keep in touch with us, as we will with you, in these and other important matters."

On 16 August, John Schlosser, Chairman of the University's Board of Governors, wrote in response to Dr. Hohol:

"Thank you for your letter of August 2, 1978 with respect to our submission in support of additional operating funds for the current fiscal year. I am disappointed that the material submitted on the invitation of both yourself and the Premier apparently provided inadequate justification for the University's case. The statements of the various Deans, Chairmen, academic staff members, and the Librarian were eloquent testimony to the adverse impact which restricted funding has had on our academic quality.

"Along with most of my colleagues on the Board, I whole-heartedly support the

## FOLIO

Inquiries concerning the placement of Notices and Advertisements in *Folio* and all other correspondence with the Editor should be addressed to:

*Folio*,  
Office of Community Relations  
423 Athabasca Hall,  
University of Alberta  
Edmonton, Alberta  
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Telephone number: 432-2325.

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Government's fiscal restraint policy. At the same time, however, I am convinced that requiring the Universities to conform to a blanket spending guideline that applies to all Government expenditures is inappropriate. The price of the particular mix of goods and services required by the Universities has advanced considerably further than the prices faced by most, if not all, other spending units in the public sector. As a consequence, Government guidelines during this restraint period have worked a particular hardship on the Universities. . . .

"I know that we can count on your support, and I am grateful for the opportunity to communicate my deep concern about the financial and academic well-being of our University. If there is any additional information I can provide, please let me know."

## PRIORITIES REPORT SUBMISSIONS SOON DUE

In its meeting on 23 June the University Board of Governors voted to refer to the University Priorities Committee Report to General Faculties Council and to staff and student organizations, "with a request that comments or representations with respect to the Report or its recommendations be submitted to the Executive Committee of the Board of Governors by October 1978." The Board's intention is to discuss the report's recommendations in November.

The text of the report was published in the 29 June 1978 issue of *Folio*. Copies of the report are available for perusal at all Deans' Offices.

General Faculties Council has also requested submissions on the report from the faculties and from the major committees, councils, and constituent groups in the University, for discussion in October.

## GENERAL FACULTIES COUNCIL AGENDA

A meeting of General Faculties Council will be held Monday, 25 September, at 2 p.m. in the Council Chamber, University Hall.

### Agenda

1. Approval of the Agenda
2. Approval of the Minutes
3. Question Period
4. New Members 1978-79

### Reports

5. Executive Committee Reports
6. Report of the Board of Governors
7. Nominating Committee Report

### New Business

8. Advance Registration: Faculty of Arts Proposal

9. University Professorships: GFC ad hoc Committee Report
10. Writing Competence Committee: Report
- 11.

### For information

12. Assistant Adviser on Native Studies

### Additions to the Agenda

13. Extra-mural Courses: Faculty of Nursing proposal
14. Conference Fund Committee: Annual Report 1977-78
15. Faculty of Rehabilitation Medicine: Proposed Change of Name of Degree of Bachelor of Physical Therapy

### For information

16. University Bookstore
17. Other business.

## RADIATION PROTECTION ACT AMENDED

*The following material has been received from Stu Hunt, Radiation Control Officer, Radiation Control Committee's*

*Recommendations with Respect to Ionizing Radiation and Females of Reproductive Capacity.*

Federal and Provincial Regulations have recently been amended to allow pregnant female workers to continue working with radioactive materials and operate x-ray equipment.

Associated with this amendment, was the incorporation of special radiation dose restrictions which must be observed by female atomic radiation workers of reproductive capacity and by those persons employing them.

The amendment to the Radiation Protection Act states:

"The maximum permissible dose of ionizing radiation (a) to the abdomen of a female radiation worker shall not, (i) where that person is capable of becoming pregnant exceed 1.3 rems in any 13 week period, and (ii) where that person is known to be pregnant, exceed 1 rem during the remaining period of pregnancy."

However, associated with the use of radiolabelled compounds is the added risk of increased radiation exposure through the incorporation of radioactive material within the body. Since fetal tissue is more radio-sensitive than maternal tissue, it is essential that females of reproductive capacity be made aware of the risk associated with various radiolabelled compounds. It is therefore requested that Radioisotope User Permit holders inform the female members of their staff of the maximum permissible dose limits and the risk associated with the use of radiolabelled compounds during pregnancy.

If in the opinion of a Radioisotope User Permit holder a pregnant female should not continue work with radioactive materials, the Permit holder will attempt to provide the female with work that is not considered hazardous to her health or that of her child. In the event that this is not possible, the Radioisotope User Permit holder will be required to recommend early maternity leave. However, should the pregnant female choose to continue to work with radioactive materials she must be made fully aware of the risks involved.

Where a pregnant female chooses to continue to work with radioactive materials after she has been made fully aware of the risks, the female worker shall be obligated to acknowledge the following statements by signing a copy of the form shown in Appendix A.

"I am fully aware of the risks involved in continuing to work with radioactive materials.

"I further acknowledge that each of these risks has been carefully explained to me and I fully understand the nature of the risks.

"Finally, that I accept the risks involved and absolve the University of any liability should harm result from my continued work with radioactive material."

Should you require further information, contact the Radiation Control Committee or Stu Hunt, telephone 432-5655.

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## RESEARCH REPORTER

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In April of this year the Office of Community Relations produced the first monthly *research reporter*. Primarily designed to attract the interest of persons in the commercial communications media, the modest publication includes brief descriptions of research taking place at the University of Alberta. Response to it has been heartening. As we expected, the various media outlets in the city and province have reacted positively and more stories than ever before about University activities and pursuits are now appearing in print and on radio and television. What was not expected is the interest being shown by the University community itself. Requests for copies of *research reporter* have been so numerous that the cost in time and effort of producing them by the "Gestetner" printing method has become prohibitive.

Consequently, each month we will be offering this space for reports on research—any kind of research—taking place at the University of Alberta. Your assistance in providing us with leads to interesting projects would be greatly appreciated. Brief descriptions of such work should be sent to

research reporter, Office of Community Relations, Athabasca Hall. All reports are checked with those concerned prior to being printed.

#### **Energy Expenditures of Children Determined**

Donald Spady was not surprised when his study of the energy expenditure of children showed that girls, on the average, expended less energy than did boys.

However, the Assistant Professor of Pediatrics at the University of Alberta was surprised at how little energy children of both sexes were expending.

He had expected the study, done during the past school year with the cooperation of Duggan Elementary School and fifty pupils ranging in age from seven to ten, to show boys burning an average of somewhere near 2,500 calories per day and girls an average of about 2,000. Instead his study showed the figures for boys to be about 2,100 and about 1,700 for girls.

And Dr. Spady finds that worrying. While he is quick to point out that his findings cannot be considered altogether conclusive—only fifty children were involved and, because his study was done when a large portion of the children's day was spent in school, it may reflect the sedentary nature of the classroom—he still finds the results troubling. He says that if the child of today is in fact less active than his counterpart of ten or fifteen years ago there could be serious implications; it could mean a more obese and therefore less healthy citizenry in the future.

Dr. Spady is still in the process of analyzing the information his study provided. "Virgin information," he calls it. His study is the first anywhere that seriously attempts to provide a figure for normal energy expenditure by monitoring children over a long period of time and during their normal day-to-day activities.

Most attempts at energy expenditure monitoring have been for short periods, for specified activities, and have involved cumbersome equipment.

Dr. Spady took a unique approach. Because for any person the rate of heart beat is directly related to oxygen consumption, which is in turn related to energy consumption, Dr. Spady was able to calculate the energy expenditure of individual children without using restrictive procedures or equipment. He simply had the children wear an electronic device about the size of a small transistor radio. Attached to the child's chest by electrodes, the device counted each heartbeat for a two-day period. During that time the child was able to go about his normal activities with very little restriction.

When the device was removed a simple

calculation gave an average heartbeat rate for the child. Laboratory tests, involving treadmill exercise, determined the relationship of heartbeat to energy expenditure for each child and the two bits of information were used to determine the average expenditure per day.

The number of calories per day that individual children were burning varied a great deal, says Dr. Spady, but, he says, not nearly as much as the variation in calorie intake.

The pediatrician plans to continue research in this area. He is already studying the energy expenditure of chronically ill children and intends to investigate that of obese children. And he will continue studies with normal children.

After all, he asks, if you do not really know how much energy children burn up in a day, how do you set a figure for their daily energy requirements?

*For more information:* telephone Dr. Donald Spady, 432-6631.

#### **Non-resident Fishing Study Part of Larger Interest**

During the 1976-77 fishing season about 12,000 persons from outside the province fished in Alberta's lakes, rivers, and streams.

At least one-quarter came primarily for the fishing, and more than ninety-six percent of the 12,000 would like to come back and fish. While in the province, the non-resident anglers spent a total of about \$1.3 million attributable to the Alberta fishing.

These are statistics contained in a report recently prepared for Alberta Fish and Wildlife by Dr. W.E. Phillips of the University of Alberta and Evelyn R. McElhaney. The report, based on a detailed survey of a sampling of the non-residents who purchased Alberta angling licenses for the 1976-77 season, examines personal and economic characteristics of the non-resident anglers, profiles their fishing activities in the province, and estimates the value of Alberta's fish resources used for non-resident recreational fishing purposes.

The average age of the non-resident angler was found to be 43 years. Sixty percent of the anglers came from other Canadian provinces, thirty-six percent came from the United States and the remaining, four percent came from other nations, notably, England. The average yearly income of the non-resident angler's family was \$19,904.

The report on non-resident fishing activity, which contains a wealth of other statistics and interesting facts, was done in conjunction with a report on non-resident hunting activity, which contains similar types of information. Both are a part of Dr. Phillips's continuing effort to provide information about the value of Alberta's natural

environments for non-commercial uses.

The professor of rural economy says that the worldwide scarcity of natural resources has lead to expanding utilization of Alberta's commercial natural resources such as oil, natural gas, timber, coal, water, and agricultural land. This increased utilization brings social and environmental side effects, and these could alter current and potential resource uses largely non-commercial, of natural environments which are also of value to non-Canadians, Canadians, and particularly to Albertans.

It is his desire to provide information that can help to ensure that proper decisions can be made about how Alberta's natural areas will be made to serve Albertans.

His past research has shown that in total about 1.4 million Albertans annually make use of the province's fish and wildlife, as hunters and fishermen, as photographers, or simply as observers of nature. And if they had to pay for the benefits provided by this heritage, they would be willing to pay a total of \$100 million each year.

*For more information:* telephone Dr. W.E. Phillips, 432-4603.

#### **Medical Scientists Studies Defence Mechanism of the Lung**

A person regularly exposed to air heavily laden with solid pollutants—for instance a miner working without proper protective equipment—during the course of a lifetime would inhale solids amounting to several kilograms. Yet an autopsy done on such a person at the time of his death would reveal at the most a few grams of solids.

That illustrates how effective the lung's defence mechanisms are.

More than 99.9 percent effective says Dr. S.F.P. Man, a University of Alberta Assistant Professor of Medicine. For the past three years Dr. Man, working with pharmacy professor Anthony Noujaim and with research fellow Thomas Connolly, has been examining aspects of the working of the defence mechanisms.

He explains that the lung's basic defence against solid pollutants is the muco-ciliary clearance system. This system with two basic components, airway fluid and cilia, works very much like a conveyor belt. From the lung, solid pollutants are carried along the tiny hairlike cilia along with the airway fluid to the back of the throat. This sputum is then coughed out or slips down the throat to be disposed of through the gastro-intestinal tract.

Very little research has previously been done to examine closely exactly how this clearance system works. Dr. Man is pursuing such research in the hope that it will shed light on the reasons why different pollutants cause different lung diseases, and ultimately

he would like to establish methods by which doctors could enhance or retard the system's action.

The University of Alberta's recent acquisition of the Slowpoke Nuclear Reactor made possible the current phase of Dr. Man's research which involves the tracking of irradiated pollutants in laboratory animals. And, in about eighteen months, Dr. Man expects to begin work with human patients. *For more information:* telephone Dr. Paul Man, 432-4603.

**Economist Warns of Possible Misconception**  
Shmuel Sharir of the University of Alberta's economics department has studied closely the effects that the liberalization of the Canadian Unemployment Insurance Act in 1972 has had, and he says that many Canadians have a misconception.

The misconception is that the subsequent climbing unemployment rates resulted from people not working because the unemployment insurance benefits were so good and easy to come by.

Dr. Sharir's statistical analysis shows that the resulting jump in the unemployment rates owes much to the fact that the more liberal unemployment insurance scheme caused more people to look for jobs, knowing that after finding a job if they did not or could not continue working they would have access to more attractive benefits. In effect, the total compensation package that individuals in some circumstances faced was made more attractive and drew them into the labor market.

Dr. Sharir says the belief that a great many people who had jobs quit work to collect unemployment insurance or, if they became unemployed, passed up work, is yet to be really substantiated by empirical evidence. And, he says, this is important to keep in mind when changes to the plan are being considered. The economist stresses that people should realize that decreasing UIC benefits will not necessarily guarantee that more people will work and Canada will produce more.

*For more information:* telephone Dr. Shmuel Sharir, 432-2544.

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## NOTICES

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*Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary. Notices should be sent to Folio Notices, 423 Athabasca Hall.*

### **Singles Group on Campus**

On Friday, 22 September, at 8 p.m., the Singles Group on Campus will hold a "get-together" at a new location: The Prince of Wales Armouries clubroom (second floor) on Kingsway and 105 Street. Members of the Group and guests are directed to use the east entrance to the Armouries.

The Singles Group on Campus welcomes all single, widowed, or divorced people to join in an evening of chatting, wine-tasting, and dancing. For further information and reservations, please telephone Iris Brown at 423-1040.

### **Seminar on Teaching for Graduate Assistants**

Although graduate teaching assistants have competency in their disciplines, they may decide that they could use some direction and helpful hints in conducting the lectures, seminars, and labs assigned to them. For those interested, the Graduate Students' Association is conducting a Seminar Day on Teaching, Saturday, 23 September, at the Power Plant Social Centre.

The program will commence at 10 a.m. with a break for lunch in the dining lounge and will continue until 3 p.m. (After the Seminar participants may wish to join friends and new acquaintances in the bar for conversation.)

There will be full sessions on general concerns and smaller workshops on specific aspects of university teaching (such as stimulating seminars through carefully posed questions, how to give lectures, inculcating scientific methods, when and when not to use audio-visual equipment). A Students' Union panel will provide a perspective from the other side of the podium.

Advance registration will take place from 11:30 a.m. to 2 p.m. on Thursday and Friday, 21 and 22 September. The advance fee will be \$1.50 (including the cost of the meal) and \$2.50 on the day of registration. For further information contact Barry Mills at 439-7574.

### **Library Hours**

The Curriculum Library of the Education Library will be open to users on Saturdays throughout the Winter Session between noon and 5:30 p.m.

The Rutherford Library Reference Services will be open on Sundays during the Winter Session from 1 p.m. to 5 p.m., and the Rutherford South Study Hall will be available for use on Sundays between 9 a.m. and 2 a.m.

### **Study Leave**

Members of the academic staff are reminded that, in accordance with the *Board-AASUA Agreement (Faculty)*, applications for study leave in 1979-1980 should be submitted, through departmental chairmen to deans, no later than 15 October 1978. Application forms are available in Faculty offices or from the Office of the Vice-President (Academic).

### **Theoretical Advances in Behavior Genetics**

The Centre for Advanced Study in Theoretical Psychology announces a NATO Advanced Study Institute on the theme, "Theoretical Advances in Behavior Genetics," to be held

29 September to 8 October in the Banff Centre.

The Institute is intended to provide an educational forum with the express purpose of attempting a theoretical integration of the present state of knowledge based upon twenty-five years of empirical and methodological research in the field of Behavior Genetics. The educational aims of the Institute are focused on the interdisciplinary and theoretical aspects of the science. The interdisciplinary aspect is one of educating the prospective researcher in his secondary field, and the theoretical aspect has to do with up-grading the general level of sophistication in the construction of theory in Behavior Genetics.

Major participants will include: J.N. Spuhler, University of New Mexico; E.W. Caspari, University of Rochester; D. Thiessen and J. Loehlin, University of Texas at Austin; J. DeFries and G. McClearn, University of Colorado; N. Henderson, Oberlin College; J. Fuller, State University of New York at Binghamton; D. Wahlsten, Waterloo University; W. Thompson, Queen's University; H. van Abeelen, Katholieke Universiteit, Nijmegen, Holland; K. Immelmann, University of Bielefeld, West Germany; A. Oliverio, Consiglio Nazionale delle Ricerche, Rome; H. Eysenck and D. Fulker, University of London, England; P. Broadhurst, University of Birmingham, England. In addition to these major participants, the Institute will have about fifty auditors in attendance, some from as far away as Australia.

The Institute is under the direction of J.R. Royce, Director of the Centre for Advanced Study of Theoretical Psychology.

For further information, telephone the Institute Manager, Leendert Mos, at 432-5271.

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## THIS WEEK AND NEXT

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*Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to Folio Listings, 423 Athabasca Hall.*

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### 21 SEPTEMBER, THURSDAY

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#### **Humanities Film Society**

7 p.m. *A Man for All Seasons* (Great Britain, 1966). Directed by Fred Zinneman and starring Paul Scofield and Wendy Hiller. TL-11 Tory Building. Admission is \$1 at the door.

#### **Student Cinema**

7 p.m. and 9:30 p.m. *New York, New York* (United States, 1977). Directed by Martin Scorsese. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.



# October 1978

## September

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## November

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## December

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17	18	19	20	21	22	23	
24	25	26	27	28	29	30	31

## sunday

1

8

15

22

29

## monday

2

■ Last day for payment of undergraduate fees without penalty

9

■ Thanksgiving Day; University buildings closed

16

■ Registrations of undergraduate students who have not paid at least the first installment of their fees by this date will be subject to cancellation

23

■ To 27 October: Mid-term Test Week. Off-campus University-organized extra-curricular activities will not normally be allowed during this week

■ Last day for dropping First Term courses or changing from "credit" to "audit" or "audit" to "credit" in First Term courses in the Faculty of Graduate Studies and Research

30

■ Meeting of the General Faculties Council

## tuesday

3

■ Meeting of the Campus Development Committee  
■ Meeting of the departmental representatives of the Non-Academic Staff Association

10

■ Meeting of the Council of the Graduate Students' Association

17

■ Meeting of the Campus Development Committee

24

31

■ Last day for changing from "credit" to "audit" in First Term courses in the Faculty of Engineering  
■ Last day for withdrawing from First Term courses by students in the Faculty of Law

## wednesday

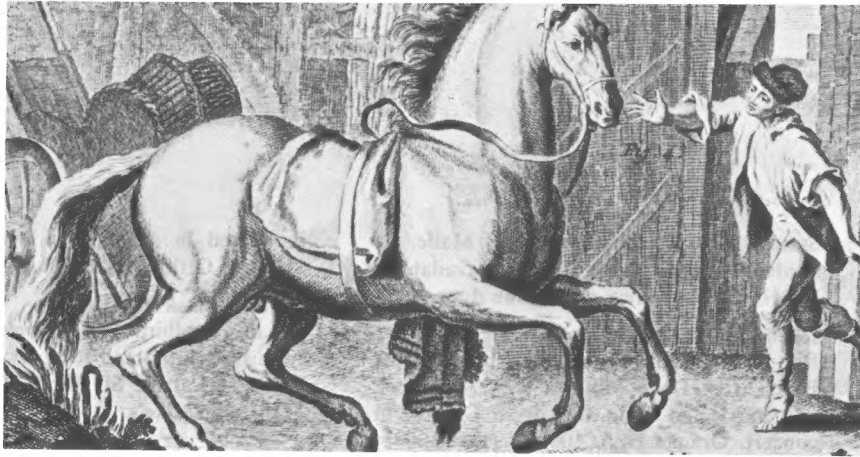
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11

18

■ Meeting of

25



*An engraving from Diderot's Encyclopédie (1771-1776). The Special Collections department of the University Library has a complete set of the Encyclopédie, including several volumes of illustrations.*

## thursday

**5**

- Meeting of the Academic Development Committee

**12**

- Meeting of the Academic Development Committee
- Meeting of the University Planning Committee

**19**

- Meeting of the Academic Development Committee

**26**

- Meeting of the Academic Development Committee
- Meeting of the University Planning Committee

## friday

**6**

- Meeting of the Board of Governors

**13**

- Final day for contributions to the United Fund



**20**

- Meeting of the Council of Graduate Studies and Research
- Last day for submission of unbound theses to the Faculty of Graduate Studies and Research to ensure graduation at Fall Convocation

**27**

## saturday

**7**

**14**

**21**

**28**

: Deans' Council

**Cinematheque 16**

7:30 p.m. *Short Eyes* (United States, 1977). Directed by Robert M. Young. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

**Citadel/National Film Theatre**

7:30 p.m. *La Cina e Vincina/China Is Near* (Italy, 1967). Directed by Marco Bellocchio. 9:15 p.m. *Nel Nome Del Padre/In the Name of the Father* (Italy, 1971). Directed by Marco Bellocchio. For ticket information contact the Citadel Box Office, telephone 425-1820.

**The Department of Music**

8 p.m. The first concert of "Explorations VII" a series of four concerts, will take place at the Provincial Museum and Archives Auditorium. No admission charge.

**22 SEPTEMBER, FRIDAY****Faculty Club**

*Downstairs.* Buffet: crab appetizer crêpe, prime rib of beef, baked ham, vegetable, potato, salad bar, dessert table, \$5.50. *Upstairs.* Chef's special: consommé madrilène, green tossed salad, beef tenderloin brochette, potato, fresh vegetable, peach melba, \$7.95. Also regular dinner menu. Reservations required

**Student Cinema**

7 p.m. and 9:30 p.m. *Pretty Baby* (United States, 1978). Directed by Louis Malle. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

**Cinematheque 16**

7:30 p.m. *Short Eyes* (United States, 1977). Directed by Robert M. Young. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

**Citadel/National Film Theatre**

7:30 p.m. and 9:30 p.m. *Thieves Like Us* (United States, 1974). Directed by Robert Altman. For ticket information contact the Citadel Box Office, telephone 425-1820.

**Centennial Library**

8 p.m. *Die Konferenz der Tiere/The Animals' Conference*, part of a German Film Festival. Centennial Library Theatre. Admission is free.

**23 SEPTEMBER, SATURDAY****Faculty Club**

*Downstairs.* Saturday buffet: beef stroganoff, rice, vegetable, salad bar, dessert table, \$5.50. *Upstairs.* Chef's special: lobster bisque, Caesar salad, beef chasseur, potato, fresh vegetable, dessert table, \$7.95. Entertainment: The Committee.

**Student Cinema**

7 p.m. and 9:30 p.m. *Pretty Baby* (United

States, 1978). Directed by Louis Malle. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

**South Side Folk Club Concert**

8 p.m. The South Side Folk Club presents Blues artist Dave McLean from Winnipeg and Barry and Lynn Luft from Calgary in concert. Orange Hall, 104 Street and 84 Avenue. Admission is \$3. For ticket information, telephone 475-1042.

**The Federation of Alberta Naturalists**

7 p.m. Evening Program to be held at the John Janzen Nature Centre Auditorium. Diane Griffin, Canadian Nature Federation Director and Natural Areas Coordinator for the Alberta Government, will present a lecture on Ecological Reserves in Alberta. The public is welcome to attend.

**24 SEPTEMBER, SUNDAY****Centennial Library**

2 p.m. "Accolade", a sixteen-piece jazz orchestra. Centennial Library Theatre. Admission is free.

**Cinematheque 16**

2 p.m. *Short Eyes* (United States, 1977). Directed by Robert M. Young and starring Bruce Davidson and Jose Perez. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

**Provincial Museum**

2 p.m. Cultural Heritage Performance. Maennerchor Liederkrantz German Chorus. 4 p.m. and 7 p.m. *Dead of Night*. Free admission.

**Citadel/National Film Theatre**

8 p.m. *Thieves Like Us* (United States, 1974). Directed by Robert Altman and starring Keith Carradine and Shelley Duvall. Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

**The Federation of Alberta Naturalists**

9 p.m. Field Trip to Beaver Hills Lake. Meet at the Safeway Parking Lot, 109 Street and 82 Avenue. Bring own lunch and field glasses. The public is welcome to attend.

**25 SEPTEMBER, MONDAY****Centennial Library**

8 p.m. *Ein Brudermord/A Fratricide* and *Lebenszeichen/Signs of Life*, part of a German Film Festival. Centennial Library Theatre. Admission is free.

**Edmonton Film Society**

8 p.m. *The Philadelphia Story* (United States, 1940). Directed by George Cukor and starring Katharine Hepburn and Cary Grant. Tory Lecture Theatre. For series tickets contact the Edmonton Film Society at 488-4335 (evenings). Tickets may also be

purchased in advance at Woodward's, SU Box Office (HUB Mall), and at the door.

**Students' Union Theatre**

9 p.m. Yardbird Productions presents John Hammond and John Hiatt in Concert. Tickets \$6 at the SU Box Office (HUB Mall) and Mike's.

**26 SEPTEMBER, TUESDAY****Students' Union Theatre**

7 p.m. and 9:30 p.m. *Equus* (Great Britain, 1978). Tickets available at the HUB Box Office.

**27 SEPTEMBER, WEDNESDAY****Provincial Museum**

*Great Performances by Women.* 7 p.m. *Johnny Belinda* (1948), Admission is free.

**Citadel/National Film Theatre**

Glynis Johns Double Feature. 7:30 p.m. *The Promoter* (Great Britain, 1952). Directed by Ronald Neame and starring Alec Guinness and Glynis Johns. 9 p.m. *Lock Up Your Daughters!* (Great Britain, 1968). Directed by Peter Coe and starring Christopher Plummer and Susanah York. Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

**Students' Union Theatre**

8 p.m. The Edmonton Chamber Music Society presents "Sonata Recital". Lorand Senyves, violinist. Anton Kuerti, pianist. Tickets at the SU Box Office (HUB Mall), Canadiana Gifts, by mail from the society and at the door.

**28 SEPTEMBER, THURSDAY****Students' Union Theatre**

7 p.m. and 9:30 p.m. *An Unmarried Woman* (United States, 1978). Directed by Paul Mazursky and starring Jill Clayburgh and Alan Bates. Tickets available at the HUB Box Office.

**Citadel/National Film Theatre**

Glynis Johns Double Feature. 7:30 p.m. *The Promoter* (Great Britain, 1952). Directed by Ronald Neame and starring Alec Guinness and Glynis Johns. 9 p.m. *Lock Up Your Daughters!* (Great Britain, 1968). Directed by Peter Coe and starring Christopher Plummer and Susannah York. Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

**Cinematheque 16**

7:30 p.m. Buster Keaton's *College* (United States, 1927). Directed by James W. Horne and starring Buster Keaton and Ann Cornwall, plus *The Black Pirate* (United



States, 1926). Directed by Albert S. Parker and starring Douglas Fairbanks and Billie Dove. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

## 29 SEPTEMBER, FRIDAY

### Faculty Club

*Downstairs.* TGIF buffet: prime rib of beef, baked ham, vegetable, potato, salad bar, dessert table, \$5.50.

*Upstairs.* 7:30 p.m. Gourmet dinner: consommé royal, arctic char chantilly, romaine salad, tournedos massena, baked zucchini, glazed carrots, theresa potatoes, peach flambé. Wines: Clos Ste Odile and Chateauneuf du Pape. \$17.50 per person including wines. Entertainment: 10 p.m. to 1 a.m. The Committee. Reservations required. Chef's special: cream of broccoli soup, Caesar salad, veal madeleine, rice, fresh vegetable, dessert table, \$7.95. Also regular dinner menu. Reservations required.

### Students' Union Theatre

7 p.m. and 9:30 p.m. *An Unmarried Woman* (United States, 1978). Directed by Paul Mazursky and starring Jill Clayburgh and Alan Bates.  
12 midnight. *Rocky Horror Picture Show*. Tickets available at the HUB Box Office.

### Citadel/National Film Theatre

7:30 p.m. and 9:15 p.m. *Vanishing Point* (United States, 1971). Directed by R.C. Sarafian and starring Barry Newman and Cleavon Little. Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

### Cinematheque 16

7:30 p.m. Buster Keaton's *College* (United States, 1927). Directed by James W. Horne and starring Buster Keaton and Ann Cornwall, plus *The Black Pirate* (United States, 1926). Directed by Albert S. Parker and starring Douglas Fairbanks and Billie Dove. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

### Centennial Library

8 p.m. *Das Fliegende Klassenzimmer/The Flying Classroom*, part of a German Film Festival. Centennial Library Theatre. Admission is free.

## 30 SEPTEMBER, SATURDAY

### Faculty Club

*Downstairs.* Saturday soup tureen: clam chowder, chicken gumbo, salad bar, dessert table, \$5.50. No grill service.

*Upstairs.* Chef's special: vichyssoise, fresh vegetable salad, chicken cordon bleu, rice, fresh vegetable, dessert table, \$7.95. Also regular dinner menu. Reservations required.

### Centennial Library

2 p.m. *Special Tour*. Centennial Library Theatre. Admission is free.

### Students' Union Theatre

7 p.m. and 9:30 p.m. *Julia*. (United States, 1977). Directed by Fred Zinnemann and starring Jane Fonda and Vanessa Redgrave.  
12 midnight. *Rocky Horror Picture Show*. Tickets available at the HUB Box Office.

## EXHIBITIONS AND PLAYS

### Provincial Museum

*Continuing.* "Stewart Cameron—Cartoonist," an exhibition of the work of the Alberta cartoonist.

*To 24 September.* "Canadian Nature Art '78," an exhibition of paintings from nature artists across Canada. Orientation Gallery.  
*Continuing.* "Nova Scotia Mines and Minerals," an exhibition illustrating the twelve minerals that have been most important in Nova Scotia's industrial growth.

### University Art Gallery and Museum

*Continuing.* An architectural exhibition by Douglas Cardinal.  
*Continuing.* "Architectural Concepts for a new National Gallery," an exhibition of the ten final submissions for a new National Gallery.  
*To 24 September.* A Master's Visual Arts Thesis presentation by Brian Thompson.

### Centennial Library

*To 30 September.* An exhibition of photography by David Goorevitch. Photography Gallery.

### Edmonton Art Gallery

*Continuing.* "Sweet Immortality," an exhibition of 32 contemporary Canadian photographers. "The Portrait—An Historical Perspective" is an exhibition of the work of past international masters and the unknown photographers. "Aspects of the Portrait," an exhibition to show various aspects of the portrait in painting and sculpture.  
*From 22 September.* An exhibition of the later work of painter Milton Miles Avery.  
*Continuing.* An exhibition of the work of Myles MacDonald.

### Edmonton Actors' Workshop

*From 28 September.* *YISKOR*. Directed by Martin Fishman. Theatre 3. Tickets available at the HUB Box Office, Theatre 3, and at the Bay, downtown.

### Graphics

*To 30 September.* "Gouaches," by Elyane Roy.

### Multicultural Heritage Centre

*To 30 September.* "Shapes '78," an exhibition of raku pottery by Elke Blodgett. Also a display of wall hangings by Elizabeth VanderHelm. Art Gallery. Open from

10 a.m. to 5 p.m. Tuesday through Sunday. 5411 51 Street, Stony Plain.

### Special Collections

*Continuing.* "The Tercentenary of John Bunyan's *Pilgrim's Progress*," 037 Cameron Library.

## LECTURES AND SEMINARS

### 21 September, Thursday

#### Mathematics Colloquium

4 p.m. "No orbits, little orbits, big orbits," with speaker J.E. Roseblade of the University of Cambridge, England. CAB 657.

#### Biochemistry Seminar

12:30 p.m. "X-ray Diffraction and Electron Microscope Studies of the Structure of F-pili," with speaker D.A. Marvin of the European Laboratory of Molecular Biology, Heidelberg, Federal Republic of Germany. 2-27 Medical Sciences Building.

### 22 September, Friday

#### Visual Quality of the Environment Lecture

9:30 a.m. "Pleasure and the Perception of the Human Habitat," with J. Appleton of the University of Hull, U.K., and "Valued Environments: Landscapes for the Conserver Society," with E.R. Relph of the University of Toronto.

1:30 p.m. "The Aesthetic Dimensions of Wild Landscapes," with R. Burton Litton of the University of California, Berkeley; "Urban Images: Trends and Applications," with D. Porteous of the University of Victoria, and "Perceptions of the Prairies: Two Perspectives from the Arts," with Richard Harrison of the University of Alberta and Ronald Rees of the University of Saskatchewan. CW 410 Biological Sciences Building.

### 25 September, Monday

#### Theoretical Physics

3:30 p.m. "Spherical Apples from the Caley Tree," with speaker G.M. Obermair of the University of Regensburg, Federal Republic of Germany. 640 Physics Building.

### 26 September, Tuesday

#### Physics Colloquium

3:30 p.m. "Evolution of Large Systems and Irreversibility," with speaker H.J. Kreuzer of the Theoretical Physics Institute, University of Alberta. V120 Physics Building.

### 27 September, Wednesday

#### Topical Canadian Issues Lecture

12 noon. "Energy Resources in Canadian Society," with speaker J. Russell of the Surgery Department. Alberta College.

#### Polish Culture Society Lecture

7:30 p.m. "Poles among Peoples of Eastern Europe," with speaker Leszek Kosinski of the Geography Department. 14-6 Tory Building.

28 September, Thursday

#### Classics Seminar

4 p.m. "1978 progress report of the University of Alberta's excavation of a Roman Villa at San Giovanni di Ruoti (Italy)," with speaker A.M. Small. 1-8 Humanities Centre.

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## NON-CREDIT COURSES

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*The courses listed below are offered under the auspices of the Faculty of Extension. Registrations may be made and information concerning the instructors and contents of the courses may be acquired at 228 Corbett Hall or by telephoning the number at the end of each listing.*

#### MANAGEMENT FOR NEW MANAGERS

Management for New Managers, a two-day seminar sponsored by the Faculty of Extension, will be held 28 and 29 September.

The purpose of the seminar is to introduce the basic tenets of the major schools of managerial thought, to examine the assumptions underlying management techniques so that they can be applied successfully, and to analyze the nature of management. It is intended for those individuals planning a career in management or for those who have recently been appointed to a position of managerial responsibility.

The instructor is Lydia Semotuk, a consultant on personnel planning and educational media development. The fee is \$135. For more information, telephone 432-5066.

#### MANAGEMENT OF PERSONAL FINANCES

This course, beginning on 27 September, will discuss the role of personal finance, personal and family budgeting, consumer credit, investment, insurance, will and estate planning, income tax, the establishment of a small business, and consumer behavior. The course is of interest to anyone attempting to manage his resources within the existing economic conditions.

The course will be held Wednesdays from 7 to 9 p.m. from 27 September through 13 December. The fee is \$75. Details of the course are available by calling 432-5066.

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## SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

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*A special area in 252 Athabasca Hall has been set aside as an information centre on graduate scholarship competitions for study in Canada and abroad. Students may use this reference section during normal office hours.*

#### Monbusho Scholarship

*Donor:* Japan. *Where tenable:* Japan. *Level of study:* Post-graduate. *Field of study:* Open. *Value:* 146,000 yen per month. *Number:* Seven. *Duration:* two years. *Conditions:* Candidates must be willing to study the

Japanese language, and they must be graduates of a university or college. *Closing date:* 6 October 1978. *Further information and application forms should be requested from:* Scholarship Program, Embassy of Japan, 255 Sussex Drive, Ottawa, Ontario, K1N 9E6.

#### Commonwealth Scholarship

*Donor:* AUCC. *Where tenable:* United Kingdom. *Level of study:* Post-graduate. *Field of study:* Unrestricted. *Value:* Travel, living, and study expenses. *Number:* One. *Duration:* Two years. *Conditions:* Candidates must be Canadian citizens, have graduated from a recognized university, and have a good knowledge of written and spoken English. *Closing date:* 31 October 1978. *Further information and application forms should be requested from:* Canadian and Commonwealth Scholarship and Fellowship Committee, c/o Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario, Canada, K1P 5N1.

#### Commonwealth Scholarship

*Donor:* AUCC. *Where tenable:* Trinidad and Tobago. *Level of study:* Post-graduate. *Field of study:* Tropical agriculture. *Value:* Travel, living, and study expenses. *Number:* One. *Duration:* Two years. *Conditions:* Candidates must be Canadian citizens, have graduated from a recognized university, and have a good knowledge of written and spoken English. *Closing date:* 31 October 1978. *Further information and application forms should be requested from:* Canadian and Commonwealth Scholarship and Fellowship Committee, c/o Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario, Canada, K1P 5N1.

#### Commonwealth Scholarship

*Donor:* AUCC. *Where tenable:* Sri Lanka. *Level of study:* Post-graduate. *Field of study:* Limited to facilities available. *Value:* Travel, living, and study expenses. *Number:* One. *Duration:* Two years. *Conditions:* Candidates must be Canadian citizens, have graduated from a recognized university, and have a good knowledge of written and spoken English. *Closing date:* 31 October 1978. *Further information and application forms should be requested from:* Canadian and Commonwealth Scholarship and Fellowship Committee, c/o Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario, Canada, K1P 5N1.

#### Bursaries

The University Women's Club of Edmonton is offering bursaries to aid mature students who require financial assistance to continue their education. Bursaries are awarded on the basis of need.

Applications should be made before 15 October to the University Women's Club Bursary at the Office of Student Affairs, 225 Athabasca Hall.

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## POSITIONS VACANT

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#### ACADEMIC POSITIONS

##### Librarian V

Applications are invited for the position of Assistant Librarian—Public Services, for the University of Alberta Library.

The incumbent will be responsible to the Librarian to the University for the operation of the Public Services Divisions of the Library, will supervise and coordinate the work of the nine division heads in public services, and will serve on a number of senior library committees, either as a member or chairman.

A professional qualification in librarianship is required, together with significant administrative

experience in the public service area of an academic library.

The position will be at the Librarian V level, for which the 1978-79 salary range is \$27,820 to \$34,932 per annum.

Please submit résumé, transcripts, and the names of three referees to: Bruce Peel, Librarian to the University, Cameron Library. The University of Alberta is an equal opportunity employer.

#### Assistant Librarian—Extension Library

The Extension Library provides library service by mail to the residents of rural Alberta.

This position is now available. Duties will include supervision of technical services area and will involve direct responsibility for materials selection and cataloguing. The incumbent will assume responsibility for the library in the absence of the Head Librarian.

Qualifications required: MLS or BLS from an accredited library school. Minimum three years related experience. Good inter-personal skills.

Salary commensurate with qualifications and experience but not less than \$18,530. This position is untenurable at this time.

Applications and inquiries should be addressed to: S. Dubrulle, Head Librarian, Extension Library, Rutherford South, University of Alberta, Edmonton, T6G 2J4.

The University is an equal opportunity employer.

#### NON-ACADEMIC POSITIONS

##### Clerk Typist

Required immediately to assist with typing of reports and papers for publications as well as routine filing, photocopying, and other related duties for a Breast Cancer study. Minimum typing of 50 wpm, and medical terminology is an asset. Apply to Personnel Department, Cross Cancer Institute, 11560 University Avenue, Edmonton, T6G 1Z2, telephone 432-8587.

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 15 September.*

Clerk Typist II (\$695-\$803, term)—Education Field Services

Clerk Typist II (\$695-\$803)—Mathematics; Office of the Comptroller, Payroll; Physical Plant; Vehicle Pool; Central Stores (two positions)

Library Clerk II (\$695-\$803, term, trust)—Canadian Institute of Ukrainian Studies

Clerk Steno II (\$695-\$803)—Faculty of Extension; Geography

Clerk Typist III (\$748-\$895)—English; Student Counselling Services

Clerk Steno III (\$772-\$929)—Pathology; Educational Administration; Mathematics; Mineral Engineering (two positions); Zoology

Programmable Typewriter Operator II (\$803-\$969)—Technical Services, Graphics

Admission Records Trainee (\$803-\$969)—Office of the Registrar (four positions)

Secretary (\$863-\$969)—Canadian Institute of Ukrainian Studies

Secretary (\$863-\$1,053)—Physical Plant, Operations and Energy Management; Business Administration and Commerce

Audiovisual Assistant (\$374-\$448, term, half-time)—Geography

Computer Assistant I (\$695-\$803)—Computing Services (two positions)

Computer Assistant II (\$803-\$969)—Office of Administrative Systems

Men's Equipment Room Assistant I (\$830-\$1,009, term)—Physical Education

Storeman II (\$863-\$1,053)—Central Stores

Research Planning Analyst II (\$895-\$1,096)—Vice-President, Planning and Development  
 Technician I (\$895-\$1,096, trust)—Pharmacology  
 Technician I (\$895-\$1,096, trust, term)—Mineral Engineering  
 Cartographic Technician I (\$895-\$1,096)—Geography  
 Technician I/II (\$895-\$1,243)—Mechanical Engineering; Industrial and Vocational Education  
 Technician I/II (\$895-\$1,243, trust)—Physiology  
 Technician I/II (\$895-\$1,243, trust, term)—Mineral Engineering  
 Biochemistry Technician I/Technologist I (\$895-\$1,243, trust)—Biochemistry  
 Maintenance Man II (\$969-\$1,192)—Housing and Food Services; Housing and Food Services, HUB  
 Technician II (\$1,009-\$1,243)—Pathology  
 Chemical Technician II (\$1,009-\$1,243)—Animal Science; Soil Science  
 Biology Technologist I (\$1,009-\$1,243)—Dentistry, Oral Biology  
 Technologist I (\$1,009-\$1,243)—Surgery  
 Technologist I (\$6.65-\$8.00/hr, trust, part-time,) —Home Economics  
 Electron Microscope Technician II (\$1,009-\$1,243, trust)—Anatomy  
 Security Officer I (\$1,143-\$1,611)—Campus Security (two positions)  
 Machinist Technician II/III (\$1,143-\$1,611)—Technical Services (Machine Shop)  
 Typographical Tradesman IV/V (Customer Contract) (\$1,243-\$1,682)—Printing Services  
 Engineering Technologist III/IV (\$1,243-\$1,759)—Physical Plant, Engineering  
 Dental Technician III (\$1,298-\$1,611)—Dental Clinical Sciences  
 Machinist Technician III (\$1,298-\$1,611)—Physics (two positions)  
 Programmer/Analyst III/IV (\$1,415-\$2,104)—Office of Administrative Systems

## ADVERTISEMENTS

*All advertisements must be received by 4:30 p.m. on the Thursday prior to publication. The cost is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.*

### Accommodations available

For sale by owner—Glenora 3-bedroom, 2,000-square-foot semi-bungalow on ravine lot. \$112,300. 452-9039.  
 For sale—Aspen Gardens ravine area. Three bedrooms. Fireplace. Unique basement development. Three sets plumbing. Double garage, deck off dining area, bright kitchen. Good treed lot. \$87,500. Call Mrs. Pat Anderson, Royal Trust. 435-4869, 434-4460.  
 River valley view—1,500 square feet luxury furnished suite available 1 November for eighteen month lease. Amenities include two color TV's, five major appliances, pool, sauna, whirlpool, underground parking. Adults only. No pets. Management approval required. 482-7271.  
 For sale—University area. Nicely designed three bedroom home. Features large combination living-dining room. Deck off kitchen. Large lot. Asking \$78,500. Call Pat Anderson, Royal Trust. 435-4869, 434-4460 residence.  
 Glenora two bedroom bungalow, on tree-lined street, ten minutes from University (via Groat Road). Large dining room, cheery kitchen, developed lower level, garage. Call Linda Milligan, Danny McGillis.

453-3982 Elliott McGillis.  
 For sale—Pleasantview. Large lovely lot with split level, three bedrooms. Large living room, rumpus room, and two bathrooms; single attached garage. Call Colin Dykes. 435-4869 Royal Trust.  
 Wish to trade five-acre Vancouver area lot for similar parcel in west Edmonton region. Lot is in Belcarra Park area, two miles north of Simon Fraser University, overlooking Bedwell Bay. Telephone 487-3310 after 4 p.m., weekdays or weekends.  
 For sale by owner—North Garneau. Two bedroom home with three bedroom basement, revenue suite. 10937 89 Avenue. \$86,000. Phone 432-2819.  
 For sale—Glenora. Two bedroom bungalow, finished basement, Resi Richter. Weber Bros. 483-9432, 455-4135.  
 For sale—Westend. Enjoy the feeling of spaciousness in this executive two storey, four bedrooms, den. Resi Richter. Weber Bros. 483-9432, 455-4135.  
 For sale by owner—3-bedroom bungalow, 1,200 square feet, revenue from basement suite, garage, ideal for large family. \$84,900. 434-6142.  
 Large, quiet, furnished room across street from University. Private bathroom, linen supplied, private telephone available. Male graduate student preferred. No cooking. 433-7197.  
 For sale—Belgravia. Spacious three bedroom bungalow, two further bedrooms in fully finished basement. Quiet location, short walk to campus. \$103,500. 436-0727.  
 Cozy lakefront house—furnished. October to April. Close to highway and store. \$160 monthly. Ideal retreat for young and old, for winter fun or someone to write thesis. References required. R. Griffel, Mulhurst, telephone 389-3857.  
 For sale—Must sell. Just reduced to low 70s. Cute two bedroom bungalow. Nestled in trees on huge lot. Clear title. Immediate occupancy. Bring your offer to .Elizabeth Black. Latitude 53 Realty. 426-5693.  
 For sale—Windsor Park reduced by \$10,000 for immediate sale. \$125,000 clear title. Move in today. Campus ½ block. 439-3725.  
 Room for rent. 10832 75 Avenue. 439-1936.  
 By owner—luxury bungalow, facing University farm, cedar siding, 5 bedrooms, den, 2½ baths, patio, garage. \$119,000. 436-0859. Principals only.  
 For sale—by owner. Lovely three-bedroom home, 1,300 square feet. New furnace, wiring, insulation, decorating. Hard wood floors, quiet street. 433-4360.  
**Accommodations wanted**  
 Visiting professor from Nigeria requires two-bedroom, furnished apartment for five months from 1 October. Phone 432-3521. 8:30 to 4:30 weekdays.  
 For rent—Family (cardiologist) with two children require three-four bedroomed house. South or southwest of University. Telephone 436-5458.  
**Automobiles and accessories**  
 For sale—1974 Suzuki 380GT, excellent condition, 2,800 original miles, roll bars, backrest. \$895. 462-3453.  
 Must sell. 1975 Toyota Helix pick-up. 14,000 miles, 2,300 cc, bucket seats, mags. 434-8801.  
 Olds 88 4-door stored five years, rebuilt trans, motor replaced, no rust, interior good. \$695. 478-4141 to midnight.  
 For sale or trade—Six Dodge ½ ton with Winnebago campershell. 76 cylinder, four speed. 435-5668, 435-6989.  
 For stationwagon 1969, ps, pb, snow tires very good condition \$500 or best offer. Leaving country must sell. Telephone 436-5576 before 11 a.m. or after 7 p.m.  
 1974 Datsun excellent condition \$1,900 or best offer. 434-0250 evenings.

1977 Austin-Marina 3,000 miles, excellent condition. 439-2104.

### Goods and services

Mountain wilderness holiday at the Black Cat Ranch near Jasper. Two-day weekend, \$50, including meals and room. Write: c/o PB Guest Ranch Ltd., Box 542, Hinton, Alberta, T0E 1B0, or telephone 452-0710.  
 Experienced typist. Variety of type styles, symbols. Quality work. 435-4407; 435-5006.  
 Expert typing—theses, etc. 455-0641.  
 Dressmaking and alterations. Elizabeth Hamilton. 428-6162.  
 Theses, manuscripts, and publications expertly typed at a reasonable cost, using IBM Selectric correcting typewriters. Raffin and Hart Office Services. 9203N 112 Street. HUB Mall. 432-7727.  
 Typing in English, French or German by experienced secretary. Telephone Frances, 433-3023.  
 Singing lessons. Studio near University. Children only. Edith-Mary Smith, 436-4780.  
 Drafting services for theses, papers, etc. Fast service at reasonable rates. Quality work. 462-3287.  
 Typing Services—18 years' experience. 462-9375.  
 Piano lessons. All grades, all ages. Belgravia area. 436-2587.  
 Practice piano, \$450; Akai turntable, \$175; man's caribou parka, made in NWT, \$100; Karrimor Backpack, \$40; fridge, \$20. 434-0258 after 6 p.m.  
 Curtains, stacking chairs, electrical appliances, ladies' downfilled jacket, ladies' ski boots (7½M), plants, household and kitchen items. Must sell, going overseas. 488-9207.  
 For sale—Purebred Norwegian Elkhound puppies (female). 487-6397 or 435-0250.  
 Piano lessons. Experienced teacher. Near University. 433-5686 (after 5).  
 Edmonton YMCA Chito-Ryu Karate Club. Phone 455-2139.  
 Combine Christmas or New Year's festivities with a cross-country ski or snowmobile holiday, and also enjoy the spacious comfort of the new lodge at Black Cat Guest Ranch. Write Jerry Bond, Box 542, Hinton, Alberta T0E 1B0 or phone 866-2107.  
 Helios Edmonton—Social nudism for families and couples only. Helios, P.O. Box 1398, Edmonton T5J 2N2  
 Overload? typing: Correspondence, Annual Reports, Tables, Theses, and Term Papers. Medical terminology experience. 462-7983 after 1:30 p.m. 455-1664 after 5:00 p.m.  
 One-year-old piano \$1,400 and organ \$1,200 for sale. 487-2507.  
 Need good home for lovely kitten. British blue. Call 435-8204.  
 Brand new all leather loveseat 40" wide makes into single bed. New price \$660, asking \$500 or best offer. 482-1848 after five.  
 Publishers and/or Printers: A.B. Dick model 1100 platemaker. 487-3310 after 4 p.m. weekdays, or weekends.  
 Aspen Languages: Salon de Conversation Française (advanced French class) and Italian for beginners. 435-4467.  
 Custom dressmaking and designing, no patterns needed. European trained. Call Jacqueline 433-4870.  
 HP97 calculator, large supply printer paper, perfect condition, one year old. \$750. 439-0528.  
 For sale—European sheepskin coat, brown with beige fur, women's size 10, completely new. Contact Anna at 432-5782, evenings 462-0478.  
 Green Circle Pre-school—a parent cooperative for children three to four years, has openings Monday to Friday mornings. McEachern elementary school. Call 435-0107.  
 Typing—Will type papers of any kind. \$.75 per page, \$1 for bibliographies, tables, etc. Phone 434-2371.

Cello lessons—one hour private lessons. All ages.  
 Given by U of A grad student in music, with  
 ten years teaching experience. References.  
 Call Victoria Clarke. 433-3087, 432-5708.  
 Chesterfield, chair, end tables, rug, child's bike.  
 G78-15 snow tires on Chrysler wheels,  
 aquarium, 434-2953 evenings.  
 Walnut sideboard with bevelled glass mirror: 432-4602  
 days, 482-5159 evenings.  
 For sale—two end tables and coffee table. \$70.  
 483-4967.  
 Rifle—Anschutz model 1416 deluxe 22 rimfire.  
 432-5155, 467-2883.  
 Lost—Croydon light colored raincoat, size 44,  
 mistakenly taken from Faculty Club, 7 September,  
 leaving similar coat, size 40. H.T. Coutts. 434-2986.  
 Monocular Microscope: Objectives 10, 40, and 100.  
 \$100. 432-6407.  
 Learn to jive!! The jive is one of seven social dance  
 steps to be taught on Thursday nights at  
 McKernan Community Hall. Classes for beginners  
 start at 7:00 p.m. and again at 8:30 p.m.. Couples  
 are preferable but singles are accepted. Fee: \$30  
 per person, for ten classes. If interested or wanting  
 to register, come to the Hall at 11341 78 Avenue  
 on 28 September at 6:30 or 8:00 p.m.  
 Ready to hang. Art nouveau prints. 469-4245.  
 For sale—21 cu. ft. side by side refrigerator-freezer,  
 \$250. Older model fridge, \$25. Kenmore washer,  
 dryer, \$150. Electric mower, \$40. 434-1542.

## payroll deductions



convenient way to

**save**

or painlessly repay a

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Inquire at the  
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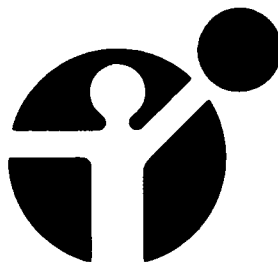
Hub Mall  
432-3256

### EDMONTON CHAMBER MUSIC SOCIETY

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 8:00 p.m. with  
 Lorand Fenyve, *violin*  
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 SUB Theatre

Seasons tickets available at HUB Box Office,  
 Canadiana Gifts (10414 Jasper Avenue),  
 at the door, or telephone 434-6970 or 439-6823.

## The Personal Development Centre



FALL 1978  
*Commencing October 3*

### WORKSHOPS

- meditative prayer
- massage, uses and techniques

### WEEKLY SESSIONS

- Hatha Yoga
- career life planning
- intensive personal growth for women
- time management for women
- exploration in living with death
- teen career development
- couple communication

## UNIVERSITY OF ALBERTA CREDIT UNION

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### SERVICE AND RATE REVIEW

#### SAVINGS

*Plan 24*

Interest: 6%

Calculated DAILY. Paid MONTHLY

*Blue Chip*

Interest: 7½%

Calculated MONTHLY. Paid SEMI-ANNUALLY

*Term Deposits*

Interest: up to 9%

5-year Maximum

*Chequing Accounts*

Monthly Statements

*Share Accounts*

DIVIDENDS PAID

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High Interest rate. No administration costs

#### LOANS

- Consumer Loans from 12%
- First Mortgage Loans: Current Rate
- Second Mortgage Loans: Current Rate
- New Car Loans: 12%

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